

Marsched.

CRF Error Corrected by the STIC Systems Branch

Serial Number:

08/319,411A

CRF Processing Date:

1655

6/22/99

Edited by:

Verified by: (STIC staff)

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:

ENTERED

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☒ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

39

☒ Inserted ~~or corrected~~ a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

66

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

☐ Deleted extra, invalid, headings used by an applicant, specifically:

☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as

☒ Inserted mandatory headings, specifically: Seq 85 - add (1) SEQ CITATION heading

☐ Corrected an obvious error in the response, specifically:

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:

☐ Other:

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/319,411ADATE: 06/27/1999
TIME: 15:51:11

INPUT SET: S32328.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

(1) General Information:

- (i) APPLICANT: Nielsen, et al.
- (ii) TITLE OF INVENTION: PEPTIDE NUCLEIC ACID CONJUGATES
- (iii) NUMBER OF SEQUENCES: 148
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris
 - (B) STREET: One Liberty Place 46th. Floor
 - (C) CITY: Philadelphia
 - (D) STATE: PA
 - (E) COUNTRY: USA
 - (F) ZIP: 19103
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: 08/319,411
 - (B) FILING DATE: 06-OCT-94
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/108,591
 - (B) FILING DATE: 27-AUG-1993
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: EP/01219
 - (B) FILING DATE: 22-MAY-1992
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/088,658
 - (B) FILING DATE: 02-JUL-1993
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/319,411ADATE: 06/27/1999
TIME: 15:51:11

INPUT SET: S32328.raw

47 (A) APPLICATION NUMBER: US 08/088,661
48 (B) FILING DATE: 02-JUL-1993
49 (C) CLASSIFICATION:
50

51 (vii) PRIOR APPLICATION DATA:
52 (A) APPLICATION NUMBER: US 08/275,951
53 (B) FILING DATE: 15-JUL-1994
54 (C) CLASSIFICATION:
55

56 (viii) ATTORNEY/AGENT INFORMATION:
57 (A) NAME: Straher, Michael P.
58 (B) REGISTRATION NUMBER: 38,325
59 (C) REFERENCE/DOCKET NUMBER: ISIS-1158
60

61 (ix) TELECOMMUNICATION INFORMATION:
62 (A) TELEPHONE: 215-568-3100
63 (B) TELEFAX: 215-568-3439
64
65

66 (2) INFORMATION FOR SEQ ID NO:1:
67

68 (i) SEQUENCE CHARACTERISTICS:
69 (A) LENGTH: 4 base pairs
70 (B) TYPE: nucleic acid
71 (C) STRANDEDNESS: single
72 (D) TOPOLOGY: linear
73

74 (ii) MOLECULE TYPE: nucleic acid
75

76 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
77

GCAT

4

81 (2) INFORMATION FOR SEQ ID NO:2:
82

83 (i) SEQUENCE CHARACTERISTICS:
84 (A) LENGTH: 4 base pairs
85 (B) TYPE: nucleic acid
86 (C) STRANDEDNESS: single
87 (D) TOPOLOGY: linear
88

89 (ii) MOLECULE TYPE: nucleic acid
90

91 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
92

GCAT

4

96 (2) INFORMATION FOR SEQ ID NO:3:
97

98 (i) SEQUENCE CHARACTERISTICS:
99 (A) LENGTH: 4 base pairs

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/319,411ADATE: 06/27/1999
TIME: 15:51:12

INPUT SET: S32328.raw

100 (B) TYPE: nucleic acid
101 (C) STRANDEDNESS: single
102 (D) TOPOLOGY: linear
103
104 (ii) MOLECULE TYPE: nucleic acid
105
106 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
107

GCAT

4

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:
113 (A) LENGTH: 4 base pairs
114 (B) TYPE: nucleic acid
115 (C) STRANDEDNESS: single
116 (D) TOPOLOGY: linear
117

(ii) MOLECULE TYPE: nucleic acid

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GCAT

4

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:
128 (A) LENGTH: 4 base pairs
129 (B) TYPE: nucleic acid
130 (C) STRANDEDNESS: single
131 (D) TOPOLOGY: linear
132

(ii) MOLECULE TYPE: nucleic acid

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

GCAT

4

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:
143 (A) LENGTH: 4 base pairs
144 (B) TYPE: nucleic acid
145 (C) STRANDEDNESS: single
146 (D) TOPOLOGY: linear
147

(ii) MOLECULE TYPE: nucleic acid

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

151

152

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/319,411ADATE: 06/27/1999
TIME: 15:51:12

INPUT SET: S32328.raw

153 GCAT 4
154
155
156
157 (2) INFORMATION FOR SEQ ID NO:7:
158
159 (i) SEQUENCE CHARACTERISTICS:
160 (A) LENGTH: 4 base pairs
161 (B) TYPE: nucleic acid
162 (C) STRANDEDNESS: single
163 (D) TOPOLOGY: linear
164
165 (ii) MOLECULE TYPE: nucleic acid
166
167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
168

GCAT 4

172 (2) INFORMATION FOR SEQ ID NO:8:
173
174 (i) SEQUENCE CHARACTERISTICS:
175 (A) LENGTH: 4 base pairs
176 (B) TYPE: nucleic acid
177 (C) STRANDEDNESS: single
178 (D) TOPOLOGY: linear
179
180 (ii) MOLECULE TYPE: nucleic acid
181
182 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
183

GCAT 4

187 (2) INFORMATION FOR SEQ ID NO:9:
188
189 (i) SEQUENCE CHARACTERISTICS:
190 (A) LENGTH: 4 base pairs
191 (B) TYPE: nucleic acid
192 (C) STRANDEDNESS: single
193 (D) TOPOLOGY: linear
194
195 (ii) MOLECULE TYPE: nucleic acid
196
197 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
198

GCAT 4

202 (2) INFORMATION FOR SEQ ID NO:10:
203
204 (i) SEQUENCE CHARACTERISTICS:
205 (A) LENGTH: 4 base pairs

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/319,411ADATE: 06/27/1999
TIME: 15:51:13

INPUT SET: S32328.raw

206 (B) TYPE: nucleic acid
207 (C) STRANDEDNESS: single
208 (D) TOPOLOGY: linear
209
210 (ii) MOLECULE TYPE: nucleic acid
211
212 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
213
214 GCAT 4
215
216
217 (2) INFORMATION FOR SEQ ID NO:11:
218
219 (i) SEQUENCE CHARACTERISTICS:
220 (A) LENGTH: 4 base pairs
221 (B) TYPE: nucleic acid
222 (C) STRANDEDNESS: single
223 (D) TOPOLOGY: linear
224
225 (ii) MOLECULE TYPE: nucleic acid
226
227 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
228
229 GCAT 4
230
231
232 (2) INFORMATION FOR SEQ ID NO:12:
233
234 (i) SEQUENCE CHARACTERISTICS:
235 (A) LENGTH: 4 base pairs
236 (B) TYPE: nucleic acid
237 (C) STRANDEDNESS: single
238 (D) TOPOLOGY: linear
239
240 (ii) MOLECULE TYPE: nucleic acid
241
242 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
243
244 GCAT 4
245
246
247 (2) INFORMATION FOR SEQ ID NO:13:
248
249 (i) SEQUENCE CHARACTERISTICS:
250 (A) LENGTH: 4 base pairs
251 (B) TYPE: nucleic acid
252 (C) STRANDEDNESS: single
253 (D) TOPOLOGY: linear
254
255 (ii) MOLECULE TYPE: nucleic acid
256
257 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
258

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/319,411A

DATE: 06/27/1999
TIME: 15:51:13

INPUT SET: S32328.raw

Line	Error	Original Text
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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/319,411ADATE: 06/22/1999
TIME: 17:40:47

INPUT SET: S32328.raw

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

SEQUENCE LISTING

Does Not Comply
Corrected Diskette Needed

(1) General Information:

(i) APPLICANT: Nielsen, et al.

(ii) TITLE OF INVENTION: PEPTIDE NUCLEIC ACID CONJUGATES

(iii) NUMBER OF SEQUENCES: 148

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz &
Norris
(B) STREET: One Liberty Place 46th. Floor
(C) CITY: Philadelphia
(D) STATE: PA
(E) COUNTRY: USA
(F) ZIP: 19103

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 08/319,411
(B) FILING DATE: 06-OCT-94
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/108,591
(B) FILING DATE: 27-AUG-1993
(C) CLASSIFICATION:

(viii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: EP/01219
(B) FILING DATE: 22-MAY-1992
(C) CLASSIFICATION:

(ix) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/088,658
(B) FILING DATE: 02-JUL-1993
(C) CLASSIFICATION:

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/319,411ADATE: 06/22/1999
TIME: 17:40:48

INPUT SET: S32328.raw

46 (vii) PRIOR APPLICATION DATA:
47 (A) APPLICATION NUMBER: US 08/088,661
48 (B) FILING DATE: 02-JUL-1993
49 (C) CLASSIFICATION:
50
51 (vii) PRIOR APPLICATION DATA:
52 (A) APPLICATION NUMBER: US 08/275,951
53 (B) FILING DATE: 15-JUL-1994
54 (C) CLASSIFICATION:
55
56 (viii) ATTORNEY/AGENT INFORMATION:
57 (A) NAME: Straher, Michael P.
58 (B) REGISTRATION NUMBER: 38,325
59 (C) REFERENCE/DOCKET NUMBER: ISIS-1158
60
61 (ix) TELECOMMUNICATION INFORMATION:
62 (A) TELEPHONE: 215-568-3100
63 (B) TELEFAX: 215-568-3439
64
65

ERRORED SEQUENCES FOLLOW:

633 (2) INFORMATION FOR SEQ ID NO:39:
634
635 (i) SEQUENCE CHARACTERISTICS:
636 (A) LENGTH: 5 base pairs
637 (B) TYPE: nucleic acid
638 (C) STRANDEDNESS: single
639 (D) TOPOLOGY: linear
640
641 (ii) MOLECULE TYPE: nucleic acid 39
642
--> 643 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 71
644
645 TTCTT
646

5

1034 (2) INFORMATION FOR SEQ ID NO:66:
1035
1036 (i) SEQUENCE CHARACTERISTICS:
1037 (A) LENGTH: 12 base pairs
1038 (B) TYPE: nucleic acid
1039 (C) STRANDEDNESS: single
1040 (D) TOPOLOGY: linear
1041
1042 (ii) MOLECULE TYPE: nucleic acid
1043
1044
1045 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:66:

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/319,411A

DATE: 06/22/1999

TIME: 17:40:48

INPUT SET: S32328.raw

1046
--> 1047 CCAGGCUCAG AT
1048

④/L

1318 (2) INFORMATION FOR SEQ ID NO:85:
1319
--> 1320 (i) SEQUENCE CHARACTERISTICS:
--> 1321 (A) LENGTH: 20 base pairs
--> 1322 (B) TYPE: nucleic acid
--> 1323 (C) STRANDEDNESS: single
1324 (D) TOPOLOGY: linear
1325 (ii) MOLECULE TYPE: nucleic acid
1326
--> 1327 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:85:
1328
1329 CTGTCTCCAT CCTCTTCACT
1330
1331
1332

20

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/319,411ADATE: 06/22/1999
TIME: 17:40:48

INPUT SET: S32328.raw

Line	Error	Original Text
643	Wrong Sequence Number	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
1047	# of Sequences for line conflicts w/ running total	CCAGGCUCAG AT 4
1320	Unknown or Misplaced Identifier	(A) LENGTH: 20 base pairs
1321	Unknown or Misplaced Identifier	(B) TYPE: nucleic acid
1322	Unknown or Misplaced Identifier	(C) STRANDEDNESS: single
1323	Unknown or Misplaced Identifier	(D) TOPOLOGY: linear
1327	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:85:
1327	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:85: